

FTL509

✓ General description:

FTL509 is a metal-ceramic, bronze-graphite friction material designed for a dry use.

FTL509 is suited for medium to heavy duty operating conditions with high coefficient of friction and high wear resistance. The lining is solidly joined to its steel back plate. Friction coefficient is stable in a wide range of operating conditions

✓ Application:

Industrial drum and band-brakes for aircraft.
Heavy earth machinery.
Miscellaneous industrial devices.
Wind energy brake pads

✓ Recommended Operating Range

Max pressure	3N/mm ²
Max. rubbing speed	40 m/s
Max. continuous temperature	350 °C
Max. intermittent temperature	700 °C
Friction surface:	Steel, cast iron, cast steel

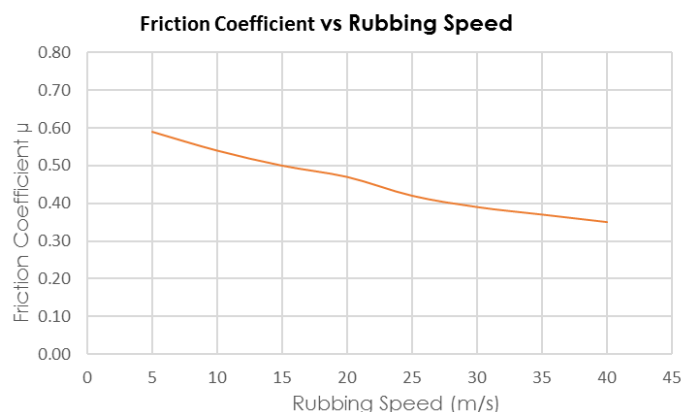
✓ Test Conditions

Application speed	10-40 m/s
Clamping pressure	0.5-3 N/mm ²

(All figures shown below are measured on the laboratory testing bench under the test conditions showed)

✓ Physical Properties

Dynamic Friction Coefficient	0.3-0.6
Static Friction Coefficient	0.5-0.6
Density	4.5 gr/cm ³
Porosity	20%
Specific heat	4.9kJ/kgK
Thermal expansion coefficient	17.4x10 ⁻⁶ /K
Thermal Conductivity	3.8W/mK



The information supplied in this data sheet is believed to be accurate and reliable, was obtained by scientific and laboratory testing. However, since actual conditions of use are largely outside the control of Friction Technology Ltd, it is suggested that this material be thoroughly tested and its suitability for use be determined before final acceptance.